January 15, 2019

ADDENDUM #1

NOTICE TO ALL BIDDERS FOR CITY OF WINCHESTER ITB #201904 – Bulk Chemicals

This Addendum forms a part of the Contract Documents and modifies the original bidding documents for ITB #201904 dated December 18, 2018. <u>Bidders shall acknowledge receipt of the Addendum in the space provided on the Bid Form and return a signed copy with your bid.</u>

This Addendum consists of 22 total pages. The following information shall modify and clarify the Contract Documents:	he
1) c. <u>Contract Term:</u> Length of contract shall be April 1, 2019 through March 31, 20	21.
2) Bid Forms: Bidders shall use the attached bid forms, A through M, replacing the Bid Forms from the original ITB.	d
3) <u>Bid Due Date:</u> The bid due date shall be changed to 2:00 P.M. local time, Tuesday, February 5, 2019	
This Addendum must be signed and returned to the Finance Department – Purchasing Division, Floor Rouss City Hall, 15 North Cameron Street, Winchester, VA 22601 by 2:00 p.m. local time February 5, 2019 with your BID.	-
Receipt of Addendum #1 to Invitation to Bid #201904 is acknowledged by my signature below:	
Company Name:	
Authorized Representative:	
Address:	

FAX: _____

Telephone: ______

I. BID FORM – A (Page 1 of 2)

Sodium Hypochlorite Solution (Liquid)

Delivered price from April 1, 2019 to March 31, 2021 in bulk quantities of 44,000 lbs. or approximately

4,500 gallons: \$______ per gallon year 1, \$______ per gallon, year 2. Indicate any additional expense (Example: packaging deposit) and explain fully: Shipping Destination: Opequon Water Reclamation Facility 3100 Berryville Pike Winchester, VA 22603 Deliveries accepted between 7:00A.M. - 3:00P.M. Monday to Friday Percy D. Miller Water Treatment Plant 32 Penceland Road Middletown, VA 22645 Deliveries accepted between 7:00A.M. - 3:00P.M. Monday to Friday Total Annual Usage: OPEQUON WRF 160,000 gallons PERCY D. MILLER WTP 80,000 gallons NOTE: Vendor is advised that actual use could be greater than or less than the quantity estimated. Chemical supplied shall conform to AWWA Standard B300-86. In addition, **Material Specifications:** must meet the following specifications: Available Chlorine: Expressed as percent by volume: 15.0% typical Expressed as percent by weight: 12.5% Expressed as grams per liter: 150 Sodium Hypochlorite (NaOCl) percent by weight: 12.5% Sodium Carbonate (N2CO3) grams/liter: 1.0 Max. Free Alkalinity (NaOH) percent by weight: 0.8% max. Heavy Metals (ppm by weight): < 1.0 Specific Gravity 20 degrees C: 1.190 - 1.220

The supplier of this product must furnish an affidavit of compliance. All Bids must be accompanied with Metals Analysis on Filter Bleach.

9.913 lbs.

Pale Yellow

Mild Chlorine

Order to Delivery Lead Time:

Three (3) days

Color:

Odor:

Required Packaging:

Bulk quantities of 4,500 gallon lots

Weight per gallon: (Approximately)

BID FORM – A (Page 2 of 2)

Sodium Hypochlorite Solution (Liquid)

Special Delivery Instructions:	Truck is to be equipped with 2" male unloading at the chemical receiving s	
 Agreeable to all Specifications? Supplier provided affidavit of comp Supplier provided Metals Analysis (If 'No', then please reference Sections) 	· —	☐ NO ☐ NO ☐ NO r instructions)
COMPANY NAME:		
ADDRESS:		
TELEPHONE NO.:		
NAME AND TITLE:		
DATE:		
SIGNATURE:		

$BID\;FORM-B$

Sodium Permanganate (Liquid)

Delivered price from April 1, 2019 to March 31, 2021 in 275 gallon Intermediate Bulk Containers.

Product is	s to be d	elivered in 27	5 gallon Inte	gallon Intermediate bulk containers: \$			per cwt year 1,			
\$	р	er cwt year 2								
Indicate	any	additional	expense	(Example:	packaging	deposit)	and	explain	fully:	
Shipping Destinations:			Percy D. Miller Water Treatment Plant 32 Pence Land Road Middletown, VA 22645 Deliveries accepted between 7:00A.M 3:00P.M. Monday to Friday							
Total Ann	nual Usa	ge:	PERCY D.	MILLER WT	P 1,925 g	allons per ye	ear			
			NOTE : Vendor is advised that actual use could be greater than or less than the quantity estimated.							
Material Specifications:			latest provi NaMnO4 w approved manufactur produced n compliance	ect to AWWA sion. The provith a specific and suitable ed by Carus naterial. <i>The s</i>	te to be furnish. Standard B60 oduct offered signarity of 1.15 for contact for Chemical Cocupplier of this must also take and regulation.	3, Standard shall be a so to 1.17, the for treatmen mpany, or a product me empty con	s of Per olution materia nt of d approve ust furn	manganates 19.5% to 2 1 must also Irinking wad d equal A wish an affi	s, of the 1.5% as be NSF ater, as merican davit of	
Required Special D Suppl Agree	Packagi elivery ier proveable to	Instructions: ided affidavit all Specificati	None at this of compliant ons?	Intermediate B s time.	Bulk Containers YES YES coument and fo		NO NO etions)			
COMPA	NY NA	ME:								
ADDRE	SS:									
NAME A	AND TI	TLE:								

By signing this bid sheet, bidder acknowledges that he completely understands all Specifications and the General Conditions and Instructions to Bidders. <u>Failure to completely fill out the Bid Sheet will result in a non-responsive bid.</u>

BID FORM C – (Page 1 of 2)

Fluorosilicic Acid (Aka Fluosilicic Acid or Hydroflousilicic Acid) (Liquid)

Delivered price from April 1, 2019 to March 31, 2021 in bulk quantities of 44,000 lbs. or approximately						
4,000 gallons: \$	per gallon year 1, \$	per gallon, year 2.				
Indicate any additional exp	pense (Example: packaging deposit)	and explain fully:				
Shipping Destination:	Percy D. Miller Water Treatment Plant 32 Penceland Road Middletown, VA 22645 Deliveries accepted between 7:00A.M 3:00P.M. Monday to Friday					
Total Annual Usage:	PERCY D. MILLER WTP 7,0	000 gallons				
	NOTE : Vendor is advised that ac estimated.	ctual use could be greater than or less than the quantity				
Material Specifications:	Chemical Analysis: Assay (H2SiF6) Fluorine (F) Heavy Metals as Lead (Pb) Hydrofluoric Acid (HF)	23.00 % 18.22 % 0.02% max <1.0 %				
	Physical Properties Description:	Water white to straw yellow solution, meeting both the AWWA Standard B703a-97 and NSF/ANSI 60 for Fluorosilicic Acid				
	Color:	Straw yellow shall be determined as material with a maximum of 200 (APHA) in accordance with Method 2120B, visual comparison method.				
	Specific Gravity: Boiling Point: Freezing Point: Molecular Weight: Weight per Gallon:	1.234for 25% @ 60 F 222.5 F 4oF 144.08 10.29 lbs/gallon				

BID FORM C – (Page 2 of 2)

Fluorosilicic Acid (Aka Fluosilicic Acid or Hydroflousilicic Acid) (Liquid)

Order to Delivery Lead Time:	Three (3) days			
Required Packaging:	Bulk quantities of 4,000 ga	llon lots		
Special Delivery Instructions: unloading at the chemical recei	Truck is to be equipped wit		nect couplings for bulk	
 Agreeable to all Specificati Supplier provided affidate Supplier provided certification (If 'No', then please refere 	vit of compliance?	YES YES YES cument and follow in	NO NO NO NO NO NO NO	
COMPANY NAME:				
ADDRESS:				
TELEPHONE NO.:				
NAME AND TITLE:				
DATE:				
SIGNATURE:				

BID FORM D (Page 1 of 2) HydroDarco B Powdered Activated Carbon

Delivered	price fr	om April 1, 2	2019 to Marc	per cwt year 1,					
\$	р	er cwt year 2							
Indicate	any	additional	expense	(Example:	packaging	deposit)	and	explain	fully:
Shipping Destination:			32 Pencelar Middletowr	iller Water Tre nd Road n, VA 22645 accepted betwe		3:00P.M. M	Ionday t	o Friday	
Total Anr	nual Usa	ge:	PERCY D.	MILLER WT	96,000	lbs. per year			
			NOTE: Vendo	or is advised that	actual use could b	e greater than o	or less that	n the quantity	estimated
Material Specifications:			Molasses de Iodine num Moisture % Mesh size (Less than 1 Less than 2 Less than 3 Tannin valu PH, Water 6	as packed US Sieve Serio 00 Mesh (150 00 Mesh (75 P 25 Mesh (45 P te mg/l	es) PPB) % PB) % PB) %	75 1 500 8 M 99 1 95 1 90 1 200	min Iax Min Min Min aline		
Required	Packagi	ry Lead Time: Seven (7) days ging: Bulk y Instructions: Bulk quantities of 40,000 lbs. as requested by the City of Winches further information at this time.					of Winchest	er. No	
_		all Specificati n please refere		☐ YES I of this Bid D	NO ocument and f	ollow instru	ctions)		

BID FORM D (Page 2 of 2) HydroDarco B Powdered Activated Carbon

BID FORM E - (Page 1 of 2)

Sodium Bisulfite solution (Liquid)

Delivered price from **April 1, 2019 to March 31, 2021** in bulk quantities of 44,000 lbs or approximately

4,300 gal	lons: \$_	I	per gallon ye	ar 1, \$	per gal	lon, year 2.				
Indicate	any	additional	expense	(Example:	packaging	deposit)	and	explain	fully	
Shipping Destination:			3100 Berry Winchester	ville Pike , VA 22603	ion Facility (O		·	o Friday		
Total Ann	nual Usa	ge:	70,000 galle	ons						
			NOTE: Vend estimated.	lor is advised th	at actual use co	uld be greater	than or	less than the	quantity	
Material S	Specifica	ations:	Sodium Bisulfite solution shall conform to the following minimum specifications:							
			Total Reducing Substances (TRS), as NaSO ₃ :				38.0 - 42.0%			
				ulfite, Actual,			35	5 - 39.5%		
			Sodium Sul	fite, Actual, as	Na ₂ SO ₄ :		3.0	%		
			Sodium sulfite, as Na ₂ SO ₄ :				3.0%			
			Iron, as Fe:	. 2	•		10-	150ppm		
				ide equivalent	, as SO ₂ :			4 - 25.8		
			Formula:	•			Nal	HSO3		
			Molecular V	Weight:				1.06		
			Density, g/r	•			1.3	0-1.36		
			Baume' (60				33	5 - 38.4		
			pH:				3.5	- 5.0		
			Freezing Po	oint:				ar 32 Degree		
			Color:				Yel	low aqueou	.S	
			solution				~	a 12 =		
			Odor:		-			ong Sulfur I		
			The supplier of this product must furnish an affidavit of compliance. Current Metals Analysis must accompany all Bids.							
			Current M	letals Analysi	s must accon	npany all B	ıds.			

Order to Delivery Lead Time:

Three (3) days

Required Packaging:

Bulk

Special Delivery Instructions:

Bulk quantities of 4,300 gallon lots as requested by the City of Winchester. Truck is to be equipped with 2" male quick connect coupling for bulk

unloading at the chemical receiving station.

BID FORM E - (Page 2 of 2)

Sodium Bisulfite solution (Liquid)

 Supplier provided affidavit of compliance? Agreeable to all Specifications? YES NO 	,
(If 'No', then please reference Section II of this Bid Document and follow instructio	ns)
COMPANY NAME:	
ADDRESS:	
TELEPHONE NO.:	
NAME AND TITLE:	
DATE:	
SIGNATURE:	

BID FORM - F

Liquichlor/Sodium Hypochlorite 12.5% (Liquid)

Delivered price from April 1, 2019 to March 31, 2021 in quantities of 55 gallon barrels:

\$	p	er gallon yea	r 1, \$per gallon, year 2.							
Indicate	any	additional	expense	(Example:	packaging	deposit)	and	explain	fully:	
Shipping Destination:			Winchester Parks and Recreation 1001 E. Cork St. Winchester, VA 22601 Deliveries accepted between 7:30 A.M. and 3:00P.M. Monday to Friday							
Total Ann	nual Usa	ge:	70 – 55 gal.	. Barrels per ye	ear					
			NOTE: Vend estimated.	lor is advised th	at actual use cou	ıld be greater	than or	less than the	quantity	
Material S	Specifica	ations:	Liquichlor/Sodium Hypochlorite 9-16%							
Required	Packagi	Lead Time: ng: (Instructions:	Three (3) days 55 Gallon Barrels Truck is to be equipped with a lift gate for bulk unloading at the chemical receiving station.							
		all Specificati please refere		☐ YES II of this Bid D	☐ NO Pocument and for	ollow instruc	ctions)			
COMPAN	NY NAN	ИЕ:								
ADDRES	S:				· · · · · · · · · · · · · · · · · · ·					
TELEPHO	ONE NO).:								
NAME A	ND TIT	LE:								
DATE: _										
SIGNATI	JRE:									

BID FORM - G

20% Acetic Acid (Liquid)

Delivered price from April 1, 2019 to March 31, 2021 in bulk quantities of 44,000 lbs., or approximately 5,250 gallons: \$______per gallon year 1, \$______per gallon, year 2. fully: Indicate any additional expense (Example: packaging deposit) and explain Shipping Destination: Opequon Water Reclamation Facility (OPEQUON WRF) 3100 Berryville Pike Winchester, VA 22603 Deliveries accepted between 7:00A.M. - 3:00P.M. Monday to Friday Total Annual Usage: OPEQUON WRF 65,000 gallons per year NOTE: Vendor is advised that actual use could be greater than or less than the quantity estimated. 20% acetic acid is a dilution of the 95-99% solution Material Specifications: Order to Delivery Lead Time: Three (3) days Required Packaging: Bulk quantities of 5,250 gallon lots Special Delivery Instructions: Truck is to be equipped with 2" male quick connect couplings for bulk unloading at the chemical receiving station. Agreeable to all Specifications? ☐ YES (If 'No', then please reference Section II of this Bid Document and follow instructions) COMPANY NAME: _____ ADDRESS: TELEPHONE NO.: NAME AND TITLE:

By signing this bid sheet, bidder acknowledges that he completely understands all Specifications and the General Conditions and Instructions to Bidders. <u>Failure to completely fill out the Bid Sheet will result in a non-responsive bid.</u>

SIGNATURE:

BID FORM – H (Page 1 of 2) Corrosion Inhibitor

Delivered price from April 1, 2019 to March 31, 2021 in bulk quantities of 44,000 lbs., or

approximately 3,700 ga	llons: \$	_ per gallon ye	per gallon, year 2.					
Indicate any add	itional expense	(Example:	packaging	deposit)	and	explain	fully	
Shipping Destination:	32 Pencela Middletow	Miller Water Tre and Road vn, VA 22645 accepted betwe						
Total Annual Usage:	PERCY D	. MILLER WTI	P 13,000 gallor	ns per year				
	NOTE : Ve quantity es	endor is advised stimated.	l that actual us	se could be g	reater t	han or less	than the	
Material Specifications:	Appearance Boiling Po Freezing p Vapor pres Solubility Percent Vo Evaporation	Corrosion Inhibitor solution shall conform to the following minimum: Appearance and Odor: Boiling Point, 760mm Hg: Vapor pressure (mm Hg) Solubility in Water in % Solution: Percent Volatile by Volume: Evaporation rate: Specific Gravity: PH: Colorless solution and odorless N/A N/A N/A Miscible in all proportions 50% (as Water) Same as Water 1.56 + or -0.03 PH: 8.5 + or -0.5						
		ANSI/NSF Standard 60 OSHA approved Conforms to 21 CFR, Section 182 and 184 (USDA)						
Order to Delivery Lead Required Packaging: Special Delivery Instruc	Bulk quantions: Truck is	lays tities of 3,700 gato be equipped at the chemical	d with 2" ma		onnect (couplings f	or bulk	
 Agreeable to all Spe Supplier provided Supplier provided (If 'No', then please 	affidavit of comp certification meet	ing NSF 60?	YES YES YES	S S		NO NO NO		

BID FORM – H (Page 2 of 2) Corrosion Inhibitor

COMPANY NAME:	
ADDRESS:	
TELEPHONE NO.:	_
NAME AND TITLE:	
DATE:	
SIGNATURE:	

BID FORM I - (Page 1 of 2)

Ferric Chloride Solution (Liquid)

Delivered price from April 1, 2019 to March 31, 2021 in bulk quantities of 44,000 lbs. or approximately

3,800 gallons: \$_____ per gallon year 1, \$_____ per gallon, year 2.

Indicate any additional expense (Example: packaging deposit) and explain fully:

Shipping Destinations: Opequon Water Reclamation Facility

3100 Berryville Pike Winchester, VA 22603

Deliveries accepted between 7:00AM-3:00PM Monday to Friday

Total Annual Usage: OPEQUON WRF 75,000 gallons of 40% solution per year

NOTE: Vendor is advised that actual use could be greater than or less than the

quantity estimated.

Material Specifications: Material supplied shall conform to AWWA Standard B407-88, NSF Standard

60 and Water Chemical Codex NAS/CWTC 012-82. In addition, must meet the

following specifications:

Specific Gravity 1.40-1.43 %FeCl₃ 38-41 %FeCl₂ Less Than 1 %Hcl Less Than 0.2 %Solids Less Than 0.1 Less Than 600 Mn (mg/l)Less Than 25 Cu (mg/l) C (mg/l)Less Than 75 Less Than 35 Ni (mg/l) Suspended Solids Less Than 0.1%

The supplier of this product must furnish an affidavit of compliance.

Materials must be certified and listed as meeting the requirements of NSF 60.

Order to Delivery Lead Time: Three (3) days

Required Packaging: Bulk quantities of 3,800 gallon lots

Ferric Chloride Solution (Liquid)

Special Delivery Instructions:	Truck is to be equipped with 2" male quick connect couplings for bull unloading at the chemical receiving station.	ĸ
 Agreeable to all Specifications? Supplier provided affidavit of comp Supplier provided certification mee (If 'No', then please reference Sect 		
COMPANY NAME:		
ADDRESS:		
TELEPHONE NO.:		
NAME AND TITLE:		
DATE:		
SIGNATURE:		

BID FORM – K (page 1 of 2) 50% Caustic Soda (Liquid)

Delivered price from April 1, 2019 to March 31, 2021 in bulk quantities of 44,000 lbs., or approximately

3,600 gallons: \$	SI	per gallon ye	ar 1, \$					
Indicate any	additional	expense	(Example:	packaging	deposit)	and	explain	fully:
Shipping Destin	nation:	32 Pencelar Middletown	n, VA 22645	eatment Plant een 7:00A.M	3:00P.M. M	onday t	o Friday	
		3100 Berry Winchester	, VA 22603	ion Facility en 7:00AM-3:	00PM Mond	ay to Fr	iday	
Total Annual U	sage:	PERCY D.	MILLER WTI	,000 gallons pe P 40,000 g	gallons per y	ear 50%	solution	quantity
Material Specif	ications:		nt	50° App 12.76	1.0 % 9.5 % .20 %		S:	
Order to Delive Required Packa Special Deliver	ging:	Bulk quanti Truck is to	ties of 3,600 g be equipped	allon lots d with 2" ma	_	onnect (couplings f	or bulk
	o all Specificati en please refere		☐ YES II of this Bid D	□ NO ocument and f	ollow instru	ctions)		

BID FORM – K (page 2 of 2) 50% Caustic Soda (Liquid)

COMPANY NAME:	
ADDRESS:	
	_
TELEPHONE NO.:	_
NAME AND TITLE:	_
DATE:	
SIGNATURE:	

BID FORM – L (Page 1 of 2)

Magnesium Chloride (Liquid)

Delivered price from April 1, 2019 to March 31, 2021 in bulk quantities of 45,000 lbs., or approximately

4,500 gallons: \$	per gallon ye	gallon year 1, \$per gallon, year 2		lon, year 2.			
Indicate any additional	expense	(Example:	packaging	deposit)	and	explain	fully:
Shipping Destination:	3100 Berry Winchester,		·	00PM Mond	lay to Fr	iday	
Total Annual Usage:	OPEQUON	WRF 15	,000 gallons p	er year			
	NOTE : Vend estimated.	or is advised tha	t actual use cou	ıld be greater	than or	less than the	quantity
Material Specifications: Property		Specificati	ions				
Typical Analysis % Specific Gravity at 20 Bulk Density (lbs./gal PH		30 1.27-1.31 10.6-10.9 7.0 – 9.0	Range 2	8.0 – 32.0			
MgSO4 % Mg % KCl %		32 0.25 0.4	Min 30 Max 0.4 Max 0.6				
NaCl % CaCl2 % Br %		0.45 0.02 0.4	Max 0.7 Max 0.1 Max 0.5	0 0			
Fe mg/Kg		5	Max 10				
Order to Delivery Lead Time: Required Packaging: Special Delivery Instructions:	Bulk quanti Truck is to	ays ties of 4,500 ga be equipped t the chemical i	with 2" ma		onnect o	couplings f	or bulk
 Agreeable to all Specification (If 'No', then please reference) 		☐ YES I of this Bid Do	☐ NO ocument and for	ollow instru	ctions)		

BID FORM – L (page 2 of 2) Magnesium Chloride (Liquid)

OMPANY NAME:	
DDRESS:	
ELEPHONE NO.:	
AME AND TITLE:	
MALE THE THEE.	
ATE:	
GNATURE:	

BID FORM - M (page 1 of 2) Magnesium Hydroxide (Liquid)

Delivered price from April 1, 2019 to March 31, 2021 in bulk quantities of 45,000 lbs., or approximately

3,700 gallons: \$	per g	per gallon year 1, \$		per gal				
Indicate any add	litional ex	xpense (Example:	packaging	deposit)	and	explain	fully
Shipping Destination:	310 Wi	00 Berryvill nchester, V	A 22603	ion Facility en 7:00AM-3:0	00PM Mond	lay to Fr	iday	
Total Annual Usage:	NO	EQUON W TE: Vendor mated.		8,000 gallons p	•	than or	less than the	quantity
Material Specifications	:							
Typical Chemic	cal Analysis	Wt. %	(Loss Free	e Basis)				
LOI (1000°C) SiO2 F32O3 A12O3 B2O3 CaO MgO		60-61 0.45 0.21 0.13 >0.25 0.65 98.40	(Includes Min. 98	0.50% SO3 an	d 0.10% Cl)			
Order to Delivery Lead Required Packaging: Special Delivery Instru	Bu ctions: Tru	ick is to 1	s of 3,700 g be equipped	allon lots d with 2" ma receiving station	•	onnect o	couplings fo	or bulk
• Agreeable to all Sp (If 'No', then pleas			☐ YES f this Bid D	☐ NO ocument and for	ollow instruc	ctions)		

BID FORM – M (page 2 of 2) Magnesium Hydroxide (Liquid)

COMPANY NAME:	
ADDRESS:	
ELEPHONE NO.:	
IAME AND TITLE:	_
DATE:	
IGNATURE:	